

Date: Wed, 10 Feb 93 23:36:48 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #196  
To: Info-Hams

Info-Hams Digest                      Wed, 10 Feb 93                      Volume 93 : Issue    196

Today's Topics:

   73s (Not 73)  
   Can scanners pick up CORDLESS phones ??  
   Daily IPS Report - 10 Feb 93  
   FT-890 Mods Needed  
   How 2 Order PSpice Circuit Modelling Program  
   KAM or PK-232MBX  
   License Upgrade Strategy  
   new dry-cell technologies (was "battery" and "Lithium AA cells")  
   Oscillator in NE602, help!  
   Readership Report for Radio-Related Usenet Newsgroups  
   TV antenna questions

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Wed, 10 Feb 1993 10:08:06 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
usenet.ins.cwru.edu!gatech!taco!csemail.cropsci.ncsu.edu!samodena@network.UCSD.EDU  
Subject: 73s (Not 73)  
To: info-hams@ucsd.edu

In article <1120@arrl.org> ehare@arrl.org (Ed Hare - KA1CV) writes:  
>In rec.radio.amateur.misc, swirsky@adobe.com (Robert Swirsky) writes:  
>  
>>In article <C1y4Ev.6pw@spk.hp.com> dubner@spk.hp.com (Joe Dubner) writes:  
>  
>



>225 Main St.  
>Newington, CT 06111                      You will never put the puzzle together  
>(203) 666-1541 - voice                    if you keep putting all the pieces  
>ARRL Laboratory Supervisor               back in the box.  
>RFI, xmtr and rcvr testing  
>-----

-----  
Date: Tue, 2 Feb 1993 18:21:25 GMT  
From: spsgate!mogate!newsgate!hawk!hawk@uunet.uu.net  
Subject: Can scanners pick up CORDLESS phones ??  
To: info-hams@ucsd.edu

In article <1993Feb2.140529.25365@porthos.cc.bellcore.com>  
whs70@dancer.cc.bellcore.com (sohl,william h) writes:  
>In article <1993Feb1.225817.7591@gw.wmich.edu> 315nikorawal@gw.wmich.edu writes:  
>> I would like to know on what frequencies do cordless phones  
>>operate ??? Can a scanner pick up these frequencies ?  
>  
>  
>Many cordless operate in the 49 Mhz range and, yes, you can receive  
>those transmissions with a scanner if you are close enough to pick  
>up the signal. The power level of cordless phones is very low  
>which is why they have such limited ranges (usually only a few  
>hundred feet at best.)  
>  
>Note, this information is about "cordless", not cellular phones.  
>I mention that as there is a distinct difference that some people  
>are not familiar with. Cellular phones operate in the 800mhz  
>range.  
>  
>Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.  
>-----  
>Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)  
>Morristown, NJ                      email via UUCP                      bcr!cc!whs70  
>201-829-2879 Weekdays               email via Internet              whs70@cc.bellcore.com

Bill

base units can be heard 1 mi away! I know on my TS690!

46610  
46630  
46670  
46730  
46770

46830  
46870  
46930  
46970

Have fun!  
regards

George Hawkins

```
-----
GEORGE HAWKINS      KKK      KK      IIIIIIII      5555555      XXX      XXX
                     K      K      II      55      X      X      DXCC-175
                     K      K      II      55555      X      X      MOBILE
                     K      K      II      55      X      160 <> 10
                     K      K      II      5      X      X      SEE YOU ON
                     K      K      II      55      X      X      BANDS FROM
                     KKK      KK      IIIIIIII      555555      XXX      XXX      MY TRUCK!
-----
```

```
-----
George Hawkins      Internet: hawk@hawk.sps.mot.com
Motorola Inc.      UUCP: cs.utexas.edu!oakhill!hawk!hawk
Digital Signal Processor Operation
6501 William Cannon Drive West      Phone (512) 891-4543
Austin Texas 78735-8598      FAX (512) 891-2947
-----
```

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Date: 10 Feb 93 01:14:00 GMT
From: eram!dave@midway.uchicago.edu
Subject: Daily IPS Report - 10 Feb 93
To: info-hams@ucsd.edu
```

IPS RADIO AND SPACE SERVICES AUSTRALIA  
Daily Solar And Geophysical Report  
Issued at 2330 UT 9 February 1993  
Summary for 9 February and Forecast up to 12 February  
No IPS warning is current.

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1A. SOLAR SUMMARY  
Activity: moderate

Flares	Max	Fadeout	Begin	End	Freq.	Sectors
M1/--	0722UT	none				

Observed 10.7 cm flux/Equivalent Sunspot Number : 185/140

#### 1B. SOLAR FORECAST

	10 February	11 February	12 February
Activity	Moderate	Moderate	Low to moderate
Fadeouts	Possible	Possible	Possible

Forecast 10.7 cm flux/Equivalent Sunspot Number : 185/140

#### 1C. SOLAR COMMENT

None.

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#### 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : unsettled to active

Estimated Indices : A	K	Observed A Index 8 February
Learmonth	18 4324 3343	
Fredericksburg	21	29
Planetary	25	34

#### 2B. MAGNETIC FORECAST

Geomagnetic field at Learmonth : unsettled to active

Ap : 15

#### 2C. MAGNETIC COMMENT

None.

#### 3A. GLOBAL HF PROPAGATION SUMMARY

Propagation conditions :

Low Lats: Normal.

Mid Lats: Normal.

High Lats: Degraded.

PCA Event : None.

#### 3B. GLOBAL HF PROPAGATION FORECAST

Propagation conditions are expected to be degraded at high latitudes.

#### 3C. GLOBAL HF PROPAGATION COMMENT

None.

-----

#### 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near normal.

Observed Sydney Regional Ionospheric Index : 59

#### 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

	10 February	11 February	12 February
MUFs	Near normal	Near normal	Enhanced about 15%

T index 70

80

90

Predicted Monthly Ionospheric Index for February is 60.

#### 4C. AUSTRALIAN REGION COMMENT

None.

--

Dave Horsfall (VK2KFU)  
dave@esi.COM.AU

VK2KFU @ VK2RWI.NSW.AUS.OC  
...munnar!esi.COM.AU!dave

-----  
Date: 9 Feb 1993 22:46:32 -0500  
From: digex.com!digex.com!not-for-mail@uunet.uu.net  
Subject: FT-890 Mods Needed  
To: info-hams@ucsd.edu

I'm looking for modifications to allow our FT-890 (Yaesu HF rig) to transmit in the non-amateur bands.

I'm certain I saw something here awhile ago, but alas, I can't find it!

Any help is appreciated. The radios will be used in the developing world, not here in the USA.

Thanks --  
Eric

--

Eric Rosenberg                      WD3Q, EI4VPS, ZL0ADG, J20BY, etc.  
Volunteers In Technical Assistance    voice: +703-276-1800  
1600 Wilson Blvd., Suite 500        fax: +703-243-1865  
Arlington, VA 22209 USA            ericr@access.digex.com

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Date: Wed, 10 Feb 1993 01:21:10 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!caen!sdd.hp.com!hpscit.sc.hp.com!hplextra!  
hpl-opus!hpnmdla!alanb@network.UCSD.EDU  
Subject: How 2 Order PSpice Circuit Modelling Program  
To: info-hams@ucsd.edu

>In rec.radio.amateur.misc, f\_speerjr@ccsvax.sfasu.edu writes:

>>I'm just getting back into ham radio after a 10-year layoff. Looking at the  
>>mags, I read about software meant to model circuits. Can anyone tell me which  
>>package is the best? How good is it? How about rf circuits, antennas, etc? Any

>>shareware?

and I replied:

>The granddaddy of circuit modelling programs is SPICE, invented at UC  
>Berkeley some years ago. There are a number of commercial versions  
>available. I use the demo version of PSPICE. It is the same as the  
>commercial version, but limits maximum circuit size. It is quite usable  
>if you don't need complicated models or large circuits. And the  
>price is right.

I had some requests for the address of the PSPICE vendor. It is:

MicroSim Corporation  
20 Fairbanks  
Irvine, CA 92718  
(800) 245-3022

The software is available for IBM/compatibles, Macintosh and SPARCstation.  
They used to send out the "student" version for free. (Maybe you had to  
pay postage, I forget.) The commercial version is a kilobuck or two.

It's really a great program. It substitutes a nice user interface for  
the crude one that comes with standard Spice. One nice feature is the  
"Probe" post-processor. After entering a circuit and running the  
simulation, you can, in effect, "probe" various nodes of the circuit  
and see an oscilloscope-like display of the signal at that point.

One thing you don't get is a manual. I highly recommend "Spice: A Guide  
to Circuit Simulation and Analysis Using PSpice" by Paul W. Tuinenga,  
published by Prentice Hall. It's an excellent tutorial on PSpice  
and circuit modelling in general.

In the back of the book are 2 tear-out cards for ordering the student  
version of Spice from Prentice Hall. Price is \$7 for the IBM PC  
version (83463-0), \$6 for the Mac version (83462-2) or \$6 for the  
IBM PS/2 version (83464-8). I assume you can order the software  
without having bought the book. Shipping and handling included.

Prentice Hall  
Route 59 at Brook Hill Drive  
West Nyack, NY 10995

The book cost \$25 at my local bookstore. (They had to order it, of course.)  
I think you can buy it through MicroSim as well.

AL N1AL

-----  
Date: 10 Feb 93 21:43:18 GMT  
From: ogicse!emory!swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!rouge!  
cfm1471@network.UCSD.EDU  
Subject: KAM or PK-232MBX  
To: info-hams@ucsd.edu

In article <1993Feb10.150628.24930@cbnewsm.cb.att.com> shz@garage.att.com (Seth Zirin) writes:

>What is a better choice for VHF Packet and HF SITOR, WEFAX, & RTTY? I'm  
>looking for something that can be used to monitor HF data modes that is  
>also compatible with VHF packet. Simultaneous HF/VHF use is not important  
>to me. The KAM requires extra software (in addition to Hostmaster) to  
>decode WEFAX and the PK-232MBX does not. Kantronics advertises that the  
>KAM supports KISS mode for TCP/IP work but AEA makes no such claims about  
>the '232.

>

>Can the PK-232MBX support TCP/IP? What is a better all-around choice?

>What options for higher speed modems (9.6K, 19.2k & 56k) are available?

>

>Thanks,

>

>Seth Zirin

Seth, I own a Kam, and think of course that it is better. Hostmaster is a fine program if you want what you said you dont need, "True Dual Port". If monitoring is all you want it for, get a MFJ 1278, cause its the cheapest and will monitor FAX as well as all the modes the others do. If you are looking into serious RTTY, i have heard that the demod shift in the 232 is set at a "True 170hz" rather than the Kam, which is like any multimode TU, designed for Packet first, and has a 200hz shift, with the ability to decipher RTTY.

Like I said though, these are things that i have heard. I worked CQ World Wide at a multi-op station, and with a Hal 2000, a AEA PK-232, and my Kam, the Kam was the only one that was useful, because the other two were destroyed by RF. I have worked everyone i have heard on RTTY, AMTOR, and HF packet and dont use it in the CW mode. So, the 232 cant be that much better, at least not for the extra price. Your choice will depend on what you want your tu to do.

Hope this helps..

Charlie  
ki5xp@ucs.usl.edu

.



-----  
Date: Wed, 10 Feb 1993 01:31:53 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!ncr-sd!ncrcae!  
ncrhub2!ncrgw2!psinntp!panix!oppedahl@network.UCSD.EDU  
Subject: License Upgrade Strategy  
To: info-hams@ucsd.edu

In <1993Feb9.161627.4587@VFL.Paramax.COM> rossi@gvlf9-q.gvl.unisys.com (Pete Rossi) writes:

>For whatever it's worth, my cousin is following what I though of as  
>a slightly unusual/novel license upgrade strategy. Thought I would  
>share it with the net in case it helps someone.

>He upgraded to General last fall. Three months later he upgraded to  
>Advanced. While he was on a roll studying Advanced theory, he continued  
>studying and passed his Extra theory only a month later!

>Now he has 1 year to get his code speed up to 20 WPM or else he will  
>have to re-take the Extra theory. This gives him that little extra  
>incentive to keep working at his code.

>So, in summary, all of you Generals who are studying for Advanced, try  
>going for the Extra theory at the same time as your Advanced theory ... or  
>shortly after, while it is still fresh.

>Then all you need is the 20 WPM code and you are done!

>And, remember, when you go to take that 20 WPM test you won't have to  
>worry about any theory cluttering your mind so you can concentrate on  
>the code test only ... and hopefully walk out an EXTRA !

My case was even more extreme. I started with a tech license, then  
passed the written exams for G, A, and E all at once. Then was under  
pressure to pass the 20 WPM within one year or the CSCE's would expire.

Note that years ago this would have been impossible. They would not  
let you take a written test for a level higher than the code test  
you had passed, or something like that...

Then I used Super Morse and studied the code. And managed to find  
a place that gave a multiple-choice 20 wpm exam ...

--

Carl Oppedahl AA2KW (intellectual property lawyer)  
30 Rockefeller Plaza

New York, NY 10112-0228  
voice 212-408-2578 fax 212-765-2519

-----  
Date: Wed, 10 Feb 1993 02:51:29 GMT  
From: pacbell.com!well!moon!pixar!news@ames.arpa  
Subject: new dry-cell technologies (was "battery" and "Lithium AA cells")  
To: info-hams@ucsd.edu

"Battery" is a misnomer - what we are talking about are dry-cells. They are only a "battery" when more than one cell are connected together. These are technical terms, so the common usage does not determine what is correct.

NiMH = Nickel Metal Hydride. It's supposed to have about 30% more capacity than the conventional Nickel-Cadmium cells - I don't know if that's measured against volume or weight. This will probably work with your trickle charger, but many fast-chargers will overcharge it because it does not show the characteristic voltage drop when fully charged as Nicads do. Fast chargers that measure the battery temperature have a better chance of working.

Lithium Hydroxide: These have a cell voltage of three volts, and can hold more charge per weight or volume than Nicads or NiMH. Rechargeable lithium cells can be built. The most promising ones use lithium and a "plastic" electrolyte. They are very light and can be formed into odd shapes easily.

Bruce

-----  
Date: Wed, 10 Feb 1993 08:03:47 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!sdd.hp.com!nigel.msen.com!fmsrl7!lynx.unm.edu!umn.edu!csus.edu!netcom.com!nagle@network.UCSD.EDU  
Subject: Oscillator in NE602, help!  
To: info-hams@ucsd.edu

jeffj@cbnewsm.cb.att.com (jeffrey.n.jones) writes:

>I am starting to build a small DC receiver for 40 meters and I pretty  
>much have a grip on everything except how to choose components for  
>the NE602's oscillator. I have seen 2 schemes for it both using a  
>365pf variable capacitor. I have a 25pf variable cap that I would like  
>to use instead.

Have you read the data sheet for the NE602? It's in the

Signetics RF Communications databook. Figure 5 shows some suggested oscillator circuits. The 1992 databook, though, is oriented toward variactor tuning.

If the oscillator won't start, the Q of the tank is probably too low. The 602 can be made to tolerate a somewhat low-Q tank circuit by connecting a 22K resistor between pin 7 and ground, which will increase the oscillator drive. Signetics recommends not using anything smaller than 22K. So this might be a quick fix.

John Nagle

-----  
Date: Wed, 10 Feb 93 07:21:25 GMT  
From: gumbly!destroyer!cs.ubc.ca!alberta!adec23!ve6mgs!mark@yale.arpa  
Subject: Readership Report for Radio-Related Usenet Newsgroups  
To: info-hams@ucsd.edu

pschleck@unomaha.edu (Paul W Schleck KD3FU) sez:  
>+reid@decwrl.DEC.COM (Brian Reid) sez:  
>+ . . .  
>+290 31000 841 76% 2037 4138.7 6% 0.18 1.8% rec.radio.amateur.misc  
>+358 28000 761 78% 947 1690.4 3% 0.09 1.6% rec.radio.shortwave  
>+ . . .  
>+1397 7400 198 41% 25 34.3 4% 0.00 0.4% rec.ham-radio  
>+1422 7000 188 32% 41 179.6 3% 0.02 0.4% rec.radio.info  
>---  
>I belive the cross-posting percentage is distorted by the daily Solar  
>Reports (should these be cross-posted to rec.radio.amateur.misc?) that  
>are longer than the usual summaries that appear in the regular  
>newsgroups.  
I have let this sleeping dog lay for a little while.

It really comes down to MY indecision to Cary about what \*really\* should show up in rec.radio.\* groups. I would say \*everything\* including cross postings from sci.space.news ...

What it comes down to, is perhaps I should take a simple poll of what you folks want to see (and to which radio groups they should be cross-posted to)! Keep in mind that there has been some technical difficulties with cross posting to rec.radio.info as Cary uses a well connected mail to news gateway to post ...

To help start the discussion, I have taken a sample of the various reports I had sitting on one of my machines and show the number of articles, dates groups, line range and subjects:

Newsgroups: rec.radio.amateur.misc  
Subject: Daily Solar Geophysical Data Broadcast for ...  
Date: 3 Jan 93 08:32:24 GMT - 1 Feb 93 09:01:38 GMT  
Lines: 15-16  
#: 31

Newsgroups: rec.radio.info  
Subject: (PKT): Daily Solar Geophysical Data Broadcast for ...  
Date: Thu, 21 Jan 1993 01:18:31 MST  
Lines: 23  
#: 1

Newsgroups: rec.radio.info  
Subject: Daily Summary of Solar Geophysical Activity for ...  
Date: Thu, 21 Jan 1993 01:25:14 MST - Tue, 9 Feb 1993 01:46:08 MST  
Lines: 114-143  
#: 19

Newsgroups: sci.space.news  
Subject: Daily Summary of Solar Geophysical Activity for ...  
Date: Thu, 21 Jan 1993 01:25:14 MST - Tue, 9 Feb 1993 01:46:08 MST  
Lines: 114-143  
#: 19

Newsgroups: rec.radio.amateur.misc  
Subject: BULLETIN: Dynamic Auroral Oval Simulation Software Update  
Date: 22 Jan 93 22:37:33 GMT  
Lines: 112  
#: 1

Newsgroups: rec.radio.amateur.misc  
Subject: AURORA: Middle Latitude Auroral Activity WATCH  
Date: 26 Jan 93 07:25:44 GMT - 8 Feb 93 21:21:35 GMT  
Lines: 55-57  
#: 3

Newsgroups: rec.radio.amateur.misc  
Subject: Weekly Solar Terrestrial Forecast & Review - ...  
Date: 8 Jan 93 07:48:29 GMT - 28 Jan 93 19:01:56 GMT  
Lines: 398-411  
#: 3

Newsgroups: rec.radio.amateur.misc  
Subject: Monthly Review of Solar & Geophysical Activity for ...  
Date: 20 Jan 93 10:03:08 GMT  
Lines: 381  
#: 2

Newsgroups: rec.radio.info  
Subject: Daily Summary of Ionospheric Data for ...  
Date: Thu, 21 Jan 1993 01:27:54 MST - Tue, 9 Feb 1993 01:48:48 MST  
Lines: 5-129  
#: 18

Newsgroups: rec.radio.info  
Subject: (PKT): Daily Summary of Ionospheric Data (\* / 2) for ...  
Date: Thu, 21 Jan 1993 01:30:49 MST - Thu, 21 Jan 1993 01:31:32 MST  
Lines: 49  
#: 2

-- Ciao -- Mark Salzyn mark@ve6mgs.ampr.org/ade23.UUCP finally has a .sig ...  
- Entries to the Amateurs on USENET List: hams-on-usenet@ve6mgs.ampr.ab.ca  
- Postings to rec.radio.info: rec-radio-info@ve6mgs.ampr.ab.ca  
- rec.radio.info administrivia: rec-radio-request@ve6mgs.ampr.ab.ca  
"Give any one species too much rope, and they'll \*\*\*\* it up" Amused to Death,  
Roger Waters

--  
-- Ciao -- Mark Salzyn mark@ve6mgs.ampr.org/ade23.UUCP finally has a .sig ...  
- Entries to the Amateurs on USENET List: hams-on-usenet@ve6mgs.ampr.ab.ca  
- Postings to rec.radio.info: rec-radio-info@ve6mgs.ampr.ab.ca  
- rec.radio.info administrivia: rec-radio-request@ve6mgs.ampr.ab.ca

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Date: 10 Feb 93 15:27:16 GMT  
From: pa.dec.com!f8.n154.z1.fidonet.org!jack.decker@decwrl.dec.com  
Subject: TV antenna questions  
To: info-hams@ucsd.edu

\* Crossposted to rec.radio.amateur.misc, rec.video.cable-tv,  
rec.video.satellite, sci.electronics.

I apologize for posting this to several almost unrelated groups, but I can't find any group that seems truly appropriate for these questions, so I'm trying to hit some groups where those with the expertise to answer these questions might hang out.

Basically, my problem is this. I have recently moved and I put up a TV antenna that I had used at my previous residence. This antenna is only about two or three years old, and is in good condition. It is a Radio Shack top of the line model (one of the BIG ones). Because it is so large, and for various other reasons I am only able to get this antenna about 15 feet off the ground at present.

I am getting very poor reception on some stations, and not getting any reception on some stations that others in this area get a reasonably clear

picture on, sometimes with much smaller antennas (but perhaps a bit higher off the ground).

I suspected that perhaps part of the problem was the shielded cable I am using, so I temporarily hooked up a piece of old flat twinlead and the signal strength improved considerably (in other words, I got at least a viewable black and white signal on stations that had been previously unviewable). The shielded cable I have is a piece of leftover cable TV cable from an abandoned mobile home lot. I suspect that I am losing a lot of signal on it, especially at UHF frequencies. But, I would like to keep using a shielded wire if possible, to keep out interference. Also, I don't want to mess around with standoff insulators and the like... in some places it is difficult to avoid having the wire come in contact with metal.

So, what I would like to get first of all are some recommendations for low-loss lead in wire. I think I recall hearing somewhere that there is such a thing as 300 ohm shielded twinlead, but have no idea who makes it. Alternately, I could probably benefit from a low-loss 75-ohm cable, and would like a recommendation on that. What I really need is low loss at UHF frequencies.

The 75 ohm cable that is in use now has a matching transformer up by the antenna. How much loss do those introduce?

What about boosters? I've heard all sorts of stories on those. Is it better to use one that hangs up by the antenna, or an indoor unit? Do the name brands (e.g. Channel Master, Winegard, Jerrold, etc.) perform any better than the Radio Shack and/or unbranded units that you find in discount stores? Again, recommendations would be appreciated.

Finally, how much difference would height make? If I could go up, say, another five feet, would it make an appreciable difference?

Some other factors to consider: I am on rather flat, fairly high ground, not in a valley or anything like that. On VHF (channels 7 and 9) I can pull signals from over 100 miles away with no problem. However, on UHF I get poor reception on channel 35, which is only about 25 to 30 miles away. One station I would really like to get is channel 41, which is consistently received with a fairly clear picture at a location only 15 miles closer to the transmitter, but when you try to tune it on my set you'd think it didn't exist. Both sites are similar otherwise; the antenna there is about the same height off the ground (and is a bit smaller than mine), and at both places there are lots of trees around (tall oak trees... no way to get above them without spending BIG bucks!).

One final question, is there a good, inexpensive mail order source for this type of equipment (the cable and/or the booster?). Radio Shack is about the only store here that would carry anything like that, and I'm a wee bit

Please reply via mail if possible; I can only read most newsgroups by going through a Gopher system and that is painfully slow. Thanks in advance for any help you can offer, and I again apologize if this is the wrong group for this query (and would appreciate any pointers to the correct group(s)).

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References <44596@gremlin.nrtc.northrop.com>,  
<1993Feb10.160406.14958@porthos.cc.bellcore.com>,  
<1993Feb10.181138.2508@cbnewsm.cb.att.com>  
Subject : Re: HTX-100

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>
>The HTX-100 that I have I use mostly for receiving the RS-12/13 satellite
>and it does a excellent job! If it had FM it would be perfect but for
>the price of $159.00 it is really good value. I was hoping they would
>continue to sell them for this price and not close them out. I've talked
```

I think that they realize that with the declining sunspot cycle there is not going to be all that much demand for them over the next few years as 10 meters gets worse... Just my guess..

=====

Paramax Systems Corporation - a Unisys Company  
Valley Forge Engineering Center - Paoli, Pennsylvania

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End of Info-Hams Digest V93 #196

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